

A Revision of Western Palaearctic Oxytorine Genera Part V Genus *Aperileptus*

(Hymenoptera, Ichneumonidae)

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Abstract

Redescriptions of the Western Palaearctic species of *Aperileptus* Förster, 1869 are given together with a key to the females.

Up to date recognition of the males is impossible as there is an insufficient availability of material of females with males from the same locality. For this reason the solitary males described by FÖRSTER are not considered.

Genus *Aperileptus*

Aperileptus Förster, 1869, Verh. naturh. Ver. preuss. Rheinl. 25: 170

Aperileptus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 75–80

Plectiscus subgenus *Aperileptus*: Thomson, 1888, Opusc. Ent. 38: 1297

Aperileptus: Strobl, 1904, Mitt. Nat Ver. Steierm. 40: 119: 125

Aperileptus: Townes, 1971, The Genera of Ichneumonidae. Part 4, 199–200

Aperileptus: Aubert, 1975, Opuscula Zoologica 138: 1–3

Key to the females

- | | |
|---|---|
| 1. Ovipositor very short, 0.21–0.28 of front wing length | 2 |
| – Ovipositor longer than 0.28 of front wing length | 3 |
| 2. Malar space narrow, 0.23–0.28 of face width <i>A. plagiatus</i> | |
| – Malar space wide, 0.33–0.46 of face width <i>A. infuscatus</i> | |
| 3. Ovipositor 0.32–0.35 of front wing length. Malar space between 0.31–0.35 of face width <i>A. flavus</i> | |
| – Ovipositor length greater than 0.35 of front wing length | 4 |
| 4. Malar space narrow, 0.26–0.28 of face width. Ovipositor 0.41–0.43 of front wing length <i>A. melanopsis</i> | |
| – Malar space wider | 5 |
| 5. Ovipositor exceptionally long, 0.50–0.55 of front wing length | 6 |
| – Ovipositor shorter, 0.35–0.48 of front wing length | 7 |
| 6. Malar space 0.30–0.38 of face width <i>A. microspilus</i> | |
| – Malar space 0.42–0.43 of face width <i>A. viduatus</i> | |
| 7. Malar space 0.41–0.43 of face width | 8 |
| – Malar space 0.31–0.37 of face width | 9 |
| 8. Ovipositor 0.35–0.37 of front wing length. Malar space 0.41–0.43 of face width <i>A. tricinctus</i> | |
| – Ovipositor 0.45 of front wing length. Malar space 0.42 of face width <i>A. vanus</i> | |
| 9. Ovipositor 0.37–0.39 of front wing length. Malar space 0.31–0.37 of face width <i>A. impurus</i> | |
| – Ovipositor comparatively longer, 0.40–0.48 of front wing length. Malar space 0.31–0.37 of face width <i>A. albipalpus</i> | |

Aperileptus plagiatus Förster

Aperileptus plagiatus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Aperileptus plagiatus: Aubert, 1975, Opusc. Zool. 138: 3

Characteristics of the holotype of *Aperileptus plagiatus*. Labels: a FÖRSTER label Aachen, ♀, 22 gl. A box label *plagiatus* Frst. Female. Front wing 3.1 mm. Palpi, mandible and clypeus yellow. Clypeus with an apical fringe of setae and some widely placed setae, convex, about 2× as wide as long. Malar space 0.28 of face width. Face fuscous, polished. Frons and vertex polished and rather convex. Occipital and genal carina almost obsolete, only present dorso-laterally. Pronotum polished, epomia almost obsolete. Mesoscutum strongly convex, polished, notauli absent. Propodeum polished, with no carinae, except for stubs of lateral longitudinal carinae. Sternal part of prepectal carina absent. Legs, including coxae, yellow. All femora slender. Nervellus reclivous. First gastral segment 1.25× as long as apically wide. First tergite coriaceous, median dorsal carinae absent. Glymma obsolete. Following tergites polished. Ovipositor 0.28 of front wing length.

Male unknown.

Material examined. – Germany: ♀, holotype of *Aperileptus plagiatus*, Aachen, 22 gl (coll. Förster, München). Netherlands: ♀, Amsterdamsche Waterleiding duinen (eiland), 24.V.1941, leg. G. Barendrecht (coll. Zwart); ♀, Overveen (Prov. of Nd Holl.), 6.VI.1974 (coll. Zwakhals).

Aperileptus infuscatus Förster

Aperileptus infuscatus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77

Aperileptus infuscatus: Aubert, 1975, Opusc. Zool. 138: 3

Characteristics of the lectotype of *Aperileptus infuscatus*. Labels: a FÖRSTER label Lousberg, 3. 10., ♀ 18 gl. A box label *infuscatus* Frst. Lectotype label of the present author. Female. Front wing 3.7 mm, Palpi, mandible, clypeus, spot on face and base of antenna yellow. Clypeus convex. Malar space 0.42 of face width. Ovipositor 0.27 of front wing length.

Male. With respect to the male doubt arises, but in the collection of Haeselbarth there is a series of four specimens (one female and three males of the same locality and date). The three males give the impression of being the same species as the female. For this reason I describe the male tentatively.

Characteristics of the male. Labels: Geierlambach, Heidelbeere, 10. IX. 1970, leg. & coll. Haeselbarth. Front wing 3.2 mm. Palpi, mandible, clypeus, scape (ventrally), pedicel (ventr.) and postannellus (ventr.) white to whitish yellowish (in the two other specimens the face is also entirely white). Malar space 0.41 of face width. Clypeus convex, 1.7× as wide as long. Postannellus slender, 8.0× as long as wide apically. Propleura, coxae and legs, except for brownish hind tibia, white. First gastral segment slender, 2.4× as long as wide apically. The rather conspicuous spiracles are at 0.33 of length.

General characteristics of the female. Malar space wide, 0.33–0.46 of face width. Ovipositor short, 0.21–0.29 of front wing length.

Material examined. – Austria: ♀, Kärnten, Himmelberg, 1000 m, 22. VII. 1979; 2♀♀, Kärnten, Himmelberg, 1000 m, 13.–15. VIII. 1980; ♀, Kärnten, Bodental, 1100 m, 13. VII. 1981 (Austrian material coll. Zwakhals). Germany: ♀, lectotype, Lousberg (bei Aachen), 3. 10. (coll. Förster, München); ♀, Lousberg, 15. 10. 1862 (coll. Förster); ♀, Lousberg, 11. 9. (coll. Förster); 4♀♀, no data (coll. Förster); ♀, Wiesen (Spessart), 28. IX. 1960, det. *Aperileptus* Townes, 1964 (coll. Haeselbarth); ♀, Schliersee, Ob. Bayern, 900 m, 23. VI. 1968 (coll. Haeselbarth); ♀ & 3♂♂, Geierlambach, Heidelbeere, 10. IX. 1970 (coll. Haeselbarth). Italy: ♀, Bolzano, Sarntal, 1250 m, 31. V. 1977 (coll. Zwakhals); ♀, St. Peter, Ahrntal, Südtirol, 1300 m (Cd), 31. VII. 1966; ♀, St. Peter, Ahrntal, Südtirol, 1800 m (Jb), 26. VIII. 1967 (both coll. Haeselbarth). Netherlands: 2♀♀, Ede, 15. XI., 8. XII. 1970; ♀, Ede, 17. V. 1971; ♀, Nunspeet, 3. VII. 1975 (all Prov. of Gelderl.); 2♀♀, Asperen, 28. IX., 1. XI. 1972 (Prov. of Zd Holl.) (all Dutch specimens from coll. Zwakhals).

Aperileptus flavus Förster

- Aperileptus flavus* Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 76
Aperileptus adversarius Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77
Aperileptus vilis Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77
Aperileptus meritus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78
Aperileptus rufus Strobl, 1903, Mitt. Nat. Ver. Steierm. 40: 122

Characteristics of the holotype of *Aperileptus flavus*. Labels: a FÖRSTER label Aachen, ♀, 21 gl. A box label *flavus* Frst. Female. Front wing 3.7 mm. Palpi, mandible, clypeus and base of antenna yellow. Malar space 0.37 of face width Ovipositor 0.30 of front wing length.

Characteristics of the lectotype of *Aperileptus adversarius*. Labels: a FÖRSTER label Lousberg, 15.9. A box label *adversarius* Frst. Lectotype label AUBERT, 1967. Female. Front wing 3.5 mm. Malar space 0.40 of face width. Ovipositor 0.34 of front wing length.

Characteristics of the lectotype of *Aperileptus vilis*. Labels: a FÖRSTER label Lousberg, 15.10., ♀, 19 gl. A box label *vilis* Frst. Female. Front wing 3.5 mm. Malar space 0.42 of face width. Ovipositor 0.35 of front wing length. The classification of this lectotype with *Aperileptus flavus* is not quite certain as the ovipositor broke off when I was taking the length. The malar space is rather wide.

Characteristics of the holotype of *Aperileptus meritus*. Labels: a FÖRSTER label Lousberg, 25.10., ♀, 22 gl. A box label *meritus* Frst. Holotype label of the present author. Female. Front wing 4.3 mm. Malar space 0.33 of face width. Ovipositor 0.34 of front wing length.

Characteristics of the holotype of *Aperileptus rufus* Strobl. Labels: an original STROBL label Melk, *rufus* m., ♀. Holotype label AUBERT, 1975. Female. Front wing 3.2 mm. Malar space 0.35 of face width. Ovipositor 0.33 of front wing length.

Characteristics of the female. Front wing 3.2–4.2 mm. Malar space 0.30–0.40 (average 0.31–0.35). Ovipositor 0.30–0.37 of front wing length.

Male unknown. There is a series of six males with two females in the material of Haeselbarth from Hedemünden, 12. V. 1966. I have left these out of consideration as I have not sufficient information about the males of *Aperileptus* on the whole.

Material examined. – Austria: ♀, holotype of *Aperileptus rufus*, Melk (CDCS); ♀, Kärnten, Bodental, 1100 m, 13. VII. 1981 (coll. Zwakhals). Germany: ♀, holotype *Aperileptus flavus*, Aachen (coll. Förster, München); ♀, lectotype *Aperileptus adversarius*, Lousberg (near Aachen), 15.9 (coll. Förster); ♀, lectotype *Aperileptus vilis*, Lousberg, 15.10 (coll. Förster); ♀, holotype *Aperileptus meritus*, Lousberg, 25.10 (coll. Förster); ♀, Lousberg, 26.10 (coll. Förster); 3♀♀, 6♂♂, Hedemünden C, 12. V. 1966 (coll. Haeselbarth); ♀, Oberbayern, Gauting, 24. V. 1959 (coll. Haeselbarth); ♀, Bayern, Peissenberg, Ammerleite, 21. V. 1975 (coll. Haeselbarth). Netherlands: 3♀♀, Ede (Prov. of Gelderl.), 23. VIII., 3. IX., 1. XI. 1970 (coll. Zwakhals); ♀, Naardermeer (Prov. Nd Holl.), Malaise trap, 8. X. 1974, leg. Bunnik & Van Wijngaarden (coll. Zwart); 6♀♀, Asperen (Prov. Zd Holl.), 18. IX., 28. IX. (2), 10. X., 18. X., 1. XI. 1972; 4♀♀, 12. VII., 6. VIII., 6. X., 15. XI. 1973 (all coll. Zwakhals). Norge: ♀, Oppland, Lom-Lia, 26. VI.–20. VII. 1978 (coll. van Rossem).

Aperileptus melanopsis Förster

- Aperileptus melanopsis* Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78
Aperileptus melanopsis: Aubert, 1975, Opusc. Zool. 138: 3

Characteristics of the lectotype of *Aperileptus melanopsis*. Labels: a FÖRSTER label Lousberg, 25. X., ♀. A box label *melanopsis* Frst. Female. Front wing 4.1 mm. Palpi, mandible and clypeus yellow. Mandible not turned in, lower tooth shorter. Clypeus with an apical fringe of setae, strongly convex, 2.6× as wide as long. Malar space 0.26 of face width. Face, frons and vertex polished. Occiput sloping steeply behind the ocelli. Occipital carina not closed dorsally, ventrally obsolete, not reaching hypostomal carina. Postanellus slender, 6.5× as long as wide. Nervellus somewhat reclivous. First tergite

1.5× as long as wide, coriaceous, median dorsal carina absent. Glymma indicated. Following tergites polished. Ovipositor 0.43 of front wing length.

Two paralectotypes are present. One, without locality label, was identified by Aubert as *Aperileptus albipalpus*. A second specimen, Lousberg, 25. X., agrees with the lectotype of *A. melanopsis*.

Male unknown.

Material examined. – Germany: ♀, lectotype of *melanopsis*, Lousberg, 25. X.; ♀, paralectotype of *A. melanopsis*, Lousberg, 25. X. (coll. Förster, München). Netherlands: ♀, Ede, (Prov. of Gelderl.), 24. X. 1970 (coll. Zwakhals).

Aperileptus microspilus Förster

Aperileptus microspilus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77

Aperileptus spoliator Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Characteristics of the holotype of *Aperileptus microspilus*. Labels: a FÖRSTER label Aachen, ♀, 20 gl. A box label *microspilus* Frst. Holotype label of the present author. Female. Front wing 3.9 mm. Malar space 0.35 of face width. Ovipositor 0.50 of front wing length.

Characteristics of the holotype of *Aperileptus spoliator*. Labels: a FÖRSTER label Lousberg, 15. 10., ♀, 20 gl. A box label *spoliator* Frst. Holotype label of the present author. Female. Front wing 4.0 mm. Palpi, mandible and clypeus yellow. Malar space 0.37 of face width. Ovipositor 0.5 of front wing length.

Characteristics of the female. Front wing 3.4–4.7 mm. Malar space 0.30–0.38 of face width (specimen from Otterlo deviating to 0.30). Ovipositor exceptionally long, 0.50–0.55 of length front wing.

Male unknown.

Material examined. – Germany: ♀, holotype of *Aperileptus microspilus*, Aachen; ♀, holotype of *Aperileptus spoliator*, Lousberg, 15. X.; ♀, Lousberg, 15. X. 1862 (all coll. Förster, München); ♀, Nordspessart, Lochmühle, 17.–22. IX. 1971, Malaise trap (coll. van Rossem). Netherlands: ♀, Otterlo (Prov. of Gelderl.), 18. VIII. 1971, leg. J. B. Wolschrijn (coll. Zwakhals).

Aperileptus viduatus Förster

Aperileptus viduatus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Characteristics of the lectotype of *Aperileptus viduatus*. Labels: a FÖRSTER label Lousberg, 23. 10. A box label *viduatus* Frst. Lectotype label of the present author. Female. Front wing 3.5 mm. Palpi, mandible and clypeus yellow. Malar space 0.42 of face width. Ovipositor 0.5 of front wing length.

Characteristics of the female. Front wing 3.5–4.0 mm. Malar space 0.42–0.43 of face width. Ovipositor exceptionally long, 0.49–0.53 of front wing length.

Male unknown.

Material examined. – Germany: ♀, lectotype of *Aperileptus viduatus*, Lousberg near Aachen, 23. X.; ♀, no locality (coll. Förster, München); ♀, Glonn, Oberbayern, 14. VII. 1968 (leg. & coll. Haeselbarth).

Aperileptus tricinctus Förster

Aperileptus tricinctus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77

Aperileptus subsignatus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 79

Characteristics of the holotype of *Aperileptus tricinctus*. Labels: a FÖRSTER label Aachen, ♀. A box label *tricinctus* Frst. Holotype label of the present author. Female. Front wing 4.3 mm. Palpi, mandible and clypeus yellow. Clypeus rather convex, proximally with erect setae. Malar space wide, 0.41 of

face width. Pronotum yellowish brown. Other parts of thorax fuscous. Legs, including coxae, yellow. Second and third tergite yellow. Ovipositor 0.35 of front wing length.

Characteristics of the holotype of *Aperileptus subsignatus*. Labels: a FÖRSTER label Aachen, ♀, 22 gl. A second label illegible. A box label *subsignatus* Frst. Holotype label of the present author. Female. Front wing 3.8 mm. Malar space 0.43 of face width. Ovipositor 0.37 of front wing length.

Male unknown.

Material examined. – Germany: ♀, holotype of *Aperileptus tricinctus*, Aachen; ♀, holotype of *Aperileptus subsignatus*, Aachen (both coll. Förster, München).

Aperileptus vanus Förster

Aperileptus vanus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Plectiscus (Aperileptus) obliquus Thomson, 1888, Opusc. Ent. 38 (Fasc. 12): 1295

Characteristics of the holotype of *Aperileptus vanus*. Labels: a FÖRSTER label Lousberg, 27. 10., ♀, 21 gl. A box label *vanus* Frst. Holotype label of the present author. Female. Front wing 3.5 mm. Palpi, mandible and clypeus yellow. Clypeus with some erect setae, especially along margin. Malar space 0.42 of face width. Occipital carina with a median interruption. Ovipositor 0.45 of front wing length.

Characteristics of the lectotype of *Plectiscus obliquus*. Labels: a THOMSON label illegible. Lectotype label R. HINZ, 1962. Female. Front wing 3.6 mm. Palpi, mandible and clypeus yellow. Malar space 0.40 of face width. Occipital carina with a median interruption. Ovipositor 0.42 of front wing length.

Male unknown.

Material examined. – Germany: ♀, holotype of *Aperileptus vanus*. Lousberg (near Aachen), 27. X.; ♀, Lousberg, 25. X. 1864 (both coll. Förster, München). Sverige: ♀, lectotype of *Plectiscus obliquus*. No locality. Lectotype of R. Hinz (coll. Thomson, Lund).

Aperileptus impurus Förster

Aperileptus impurus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 76

Aperileptus impurus: Aubert, 1975, Opusc. Zool. 138: 2

Aperileptus immundus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 76

Aperileptus electus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Aperileptus secretus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Characteristics of the holotype of *Aperileptus impurus*. Labels: a FÖRSTER label Aachen, ♀. A box label *impurus* Frst. Holotype label of the present author. Female. Front wing 3.6 mm. Head fuscous. Malar space 0.37 of face width, with a fine groove. Occipital carina ventrally obsolete (dorsally invisible). Mesoscutum strongly convex, dorsally extending above the head. Nervellus somewhat reclivous. First tergite as long as wide apically, somewhat coriaceous, median dorsal carina absent. Second tergite apically 2× as wide as long. Tergites beyond the first polished. Ovipositor 0.39 of front wing length.

Characteristics of the holotype of *Aperileptus immundus*. Labels: no locality label. A box label *immundus* Frst. Holotype label of the present author. Female. Front wing 3.5 mm. Malar space 0.40 of face width. Ovipositor 0.38 of front wing length.

Characteristics of the holotype of *Aperileptus electus*. Labels: a FÖRSTER label Aachen, ♀, 23 gl. A box label *electus* Frst. Holotype label of the present author. Female. Front wing 4.8 mm. Malar space 0.31 of face width. Ovipositor 0.36 of front wing length.

Characteristics of the holotype of *Aperileptus secretus*. Labels: a FÖRSTER label Aachen, ♀, 22 gl. A box label *secretus* Frst. Holotype label of the present author. Female. Front wing 3.75 mm. Clypeus with an apical fringe of setae, 2× as wide as long, medially convex. Malar space 0.37 of face width. Occipital carina interrupted dorsally, ventrally obsolete, not reaching hypostomal carina. Nervellus reclivous.

vous. First tergite $1.3 \times$ as long as wide, coriaceous, median dorsal carina absent. Following tergites polished. Ovipositor 0.38 of front wing length.

Characteristics of the female. Malar space 0.30–0.37 of face width. Ovipositor 0.37–0.39 of front wing length.

Male unknown. There is a male with a female from Dransfeld 15. V. 1966 (coll. Haeselbarth), but this specimen does not offer sufficient characters to describe it.

Material examined. – Austria: ♀, Kärnten, Himmelberg, 1000 m, 22. VII. 1979 (coll. Zwakhals). Italy: ♀, Campi Riva s. Garda, 1200 m, 7. VII. 1966 (coll. Haeselbarth). Germany: ♀, holotype *Aperileptus impurus*, Aachen (coll. Förster, München); ♀, holotype *Aperileptus immundus*, no locality (coll. Förster); ♀, holotype *Aperileptus secretus*, Aachen (coll. Förster); ♀, holotype *Aperileptus electus*, Aachen (coll. Förster); ♀, Lousberg (near Aachen), 24. X. (coll. Förster); ♀, Schliersee (Oberbayern), 900 m, 23. VI. 1968; ♀, Wiershausen (Niedersachsen), 14. VIII. 1966; ♀, Meensen, 4. VI. 1967; ♀ ♂, Dransfeld, 15. V. 1966; ♀, Oberbiberg bei München, Heidelberg, 2. VII. 1979; ♀, Geierlambach, Heidelberg, 19. VII. 1971 (all German material, except for FÖRSTER's type material, coll. Haeselbarth). Netherlands: 2 ♀ ♀, Hilversum, from mushrooms with Diptera larvae, X. 1901, leg. de Meijere (coll. Zwart); ♀, Aerdenhout (Prov. Nd Holl.), Koningshof, 30. IV. 1943, leg. G. Barendrecht (coll. Zwart); 2 ♀ ♀, Asperen (Prov. Zd Holl.), 25. X. 1972 & 25. IX. 1973 (coll. Zwakhals).

Aperileptus albipalpus (Gravenhorst)

Plectiscus albipalpus Gravenhorst, 1829, Ichn. Europ. 2 (2): 986, ♀

Aperileptus albipalpus: Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 76–77–79

Aperileptus albipalpus: Aubert, 1975, Opusc. Zool. 138: 2

Aperileptus penetrans Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 76

Aperileptus fungicola Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77

Aperileptus placidus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77

Aperileptus tutorius Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77

Aperileptus vacuus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 77

Aperileptus custoditor Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Aperileptus frontalis Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Aperileptus impacatus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Aperileptus extirpator Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Aperileptus euryzonus Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 78

Aperileptus conformis Förster, 1871, Verh. naturh. Ver. preuss. Rheinl. 28: 79, ♀ (sic)

Aperileptus nigricarpus Strobl, 1904, Mitt. Nat. Ver. Steierm. 40: 124, ♂ (sec. Aubert, 1975)

Characteristics of the lectotype of *Plectiscus albipalpus*. Labels: f (an original GRAVENHORST label). MZW 245. Lectotype label of TOWNES, 1958. Female. Front wing 4.4 mm. Maxillary palp long, yellow. Mandible with lower tooth shorter than upper. Clypeus convex, polished, with a row of erect setae along apical margin. Face, frons, vertex and gena polished. Pronotum polished, epomia obsolete. Mesoscutum polished, notauli absent. Scutellum polished, with no margin. Propodeum polished, lacking all carinae, except for apical part of lateral longitudinal carina. Mesopleurum polished, prepectal carina almost obsolete. Front wing with areolet. Nervellus vertical. First tergite almost as long as apically wide, polished, median dorsal carina absent. Spiracles at 0.4 of length. Ovipositor 0.43 of front wing length.

Remark. When studying this lectotype, I did not take the width of the malar space.

Characteristics of the lectotype of *Aperileptus penetrans*. Labels: a FÖRSTER label Aachen, ♀, 20 gl. A box label *penetrans* Frst. Female. Front wing 3.5 mm. Ovipositor 0.45 of front wing length. Malar space 0.33 of face width.

Characteristics of the lectotype of *Aperileptus fungicola*. Labels: a FÖRSTER label Aachen, ♀, 20 gl., a second label illegible. A box label *fungicola* Frst. Female. Ovipositor 0.44 of front wing length. Malar space 0.35 of face width.

Characteristics of the holotype of *Aperileptus placidus*. Labels: a FÖRSTER label Aachen, ♀, 20 gl. A box label *placidus* Frst. Holotype label of the present author. Female. Front wing 4.0 mm. Palpi, mandible and clypeus yellow. Malar space 0.31 of face width. Pronotum yellowish. Second and third tergite yellowish. Ovipositor 0.42 of front wing length.

Characteristics of the holotype of *Aperileptus tutorius*. Labels: a FÖRSTER label Lousberg, 15 gl. A box label *tutorius* Frst. Female. Front wing 3.7 mm. Malar space 0.33 of face width. Ovipositor 0.44 of front wing length.

Characteristics of the holotype of *Aperileptus vacuus*. Labels: no locality label. A box label *vacuus* Frst. Female. Front wing 3.7 mm. Malar space 0.33 of face width. Ovipositor 0.44 of front wing length.

Characteristics of the holotype of *Aperileptus custoditor*. Lousberg, 3.10., ♀. Malar space 0.36 of face width. Ovipositor 0.40 of front wing length.

Characteristics of the lectotype of *Aperileptus frontalis*. Aachen, ♀. Malar space 0.36 of face width. Ovipositor 0.41 of front wing length.

Characteristics of the holotype of *Aperileptus impacatus*. Aachen, ♀. Malar space 0.30 of face width. Ovipositor 0.47 of front wing length.

Characteristics of the holotype of *Aperileptus euryzonus*. Lousberg, 25.10., ♀. Malar space 0.35 of face width. Ovipositor 0.44 of front wing length.

Characteristics of the holotype of *Aperileptus conformis*. Aachen, ♂. The specimen is a female. Front wing 3.0 mm. Malar space 0.35 of face width. Ovipositor 0.43 of front wing length.

Characteristics of the lectotype of *Aperileptus nigricarpus* Strobl. Labels: a STROBL label "*nigric.*". m. Admont, 30. VIII. 19? Lectotype label of AUBERT, 1975. Male. Identified by Aubert as *Aperileptus albipalpus*.

Characteristics of the female. Front wing 3.3–5.5 mm. Malar space 0.31–0.37 of face width. A number of specimens is notable for the yellowish white clypeus, pronotum ventrally, all coxae and legs for the greater part. Also tergite two and three can be yellowish. The ovipositor is comparatively long, 0.40–0.48 of front wing length.

Male. I have not sufficient information to describe the male with any certainty.

Material examined. – No locality label, lectotype of *Proclitus albipalpus*, MZW 245 (Museum Zoologicze, Wrocław. Austria: 6♀♀, Kärnten, Himmelberg, 1000 m, 14. VII., 16. VII., 20. VII. 1979; 12. VIII., 13. VIII. & 14. VIII. 1980 (coll. Zwakhals); 2♀♀, Kärnten, Bodental, 1100 m, 20. VIII. 1980; 2♀♀, Kärnten, Bodental, 1100 m, 1. VII. & 13. VII. 1981 (coll. Zwakhals); ♀, Paß Thurn, Salzburg, 1200 m, 8. IX. 1968 (coll. Haeselbarth). Germany: 4♀♀, Nd Spessart, Lochmühle, trap, 17.–22. IX. 1971 (coll. van Rossem); ♀, Erching, Lk. Freising, 4. V. 1968 (coll. Haeselbarth); ♀, Witzenhausen (Hessen), 14. VIII. 1965 (coll. Haeselbarth); ♀, Glonn (Oberbayern), Heidelbeere, 18. VIII. 1970 (coll. Haeselbarth); ♀, Jettenhausen (Oberbayern), 12. VII. 1968 (coll. Haeselbarth); 2♀♀, Oberbayern, Gauting, 29. V. 1976 (coll. Haeselbarth); ♀, Geierlambach, Heidelbeere, 14. VIII. 1970 (coll. Haeselbarth); ♀, Lousberg, 15. IX. 1862 (coll. Förster, München); 2♀♀, Lousberg, 31. X. 1862 (coll. Förster); ♀, Lousberg, 19. V.; ♀, Lousberg, 24. X.; 3♀♀, no locality (all coll. Förster). Italy: ♀, Campi, Riva s. Garda, 1200 m, D 7. VII. 1966; ♀, Riva s. Garda, 280 m, N 8. IX. 1967; ♀, Partschins, Südtirol, 1050 m, Fd, 31. VIII. 1967; ♀ Bz (Bolzano?), Feldthurns, 1200 m, 11. IX. 1978; ♀ Bz (Bolzano?), Villanders, 1000 m, 21. IX. 1978 (all Italian specimens from coll. Haeselbarth). Netherlands: ♀, Nunspeet (Prov. of Gelderl.), 6. X. 1975 (coll. Zwakhals); ♀, Ede (Prov. of Gelderl.), 12. XI. 1963, garden (coll. van Rossem); 5♀♀, Ede, 20. IX., 28. IX., 1. XI., 15. XI. 1970 (coll. Zwakhals); 2♀♀, Asperen (Prov. of Zd Holl.), 4. IX. & 25. X. 1973 (coll. Zwakhals). Sverige: ♀♂, Värmland, Transtrand, Storbacken, 1st station, 21.–31. VII. 1981, margin of forest, close vegetation (coll. van Rossem).

Remark. – The localities of the synonymous Förster species are not recapitulated.

Species inquirendae

The following species were described by FÖRSTER (Verh. naturh. Ver. preuss. Rheinl. **28**: 79) from males: *Aperileptus languidus*; *A. labilis*; *A. notabilis*; *A. sternoxanthus*; *A. inamoenus*; *A. filiventris*; *A. inclinans*. I have no ground for separating the species on the males.

Aperileptus minimus Strobl, 1904, Mitt. Nat. Ver. Steierm. **40**: 119 (CDCS). A STROBL label *vilis* (1900?), Hohe Tauern ♂, 3. 8. Strobl. Lectotype label AUBERT, 1975 (recte *vilis* Förster). Specimen without head. Male. Not identified.

Aperileptus nigrovittatus Strobl, 1904, Mitt. Nat. Ver. Steierm. **40**: 123 (CDCS). No STROBL label. Lectotype label AUBERT, 1975 (recte *extirpator* Förster). Specimen without gaster. Not identified.

Acknowledgements

I am indebted to Dr. E. J. Fittkau, Director of the Zoologische Staatssammlung at München and to Mr. E. Diller for generous reception and treatment.

Special acknowledgement for specimens are due to Dr. E. Haeselbarth (München) and to Drs C. J. Zwakhals (Arkel, Netherlands).

Dr. R. Danielsson of the Zoological Museum at Lund kindly sent the THOMSON type material.

I should also like to thank Drs K. W. R. Zwart (Wageningen) for allowing me to study material from his private collection.

I owe Professor Dr. G. Morge (Eberswalde-Finow) my gratitude for sending me the STROBL type material (marked CDCS).

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